Signed at Washington, DC, this 22nd day of March 1995.

Joseph A. Dear,

Assistant Secretary.

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[Docket No. NRTL–4–93]

Underwriters Laboratories Incorporated

AGENCY: Occupational Safety and Health Administration, Department of Labor.

ACTION: Notice of Application for Renewal of Recognition as a Nationally Recognized Testing Laboratory, and Preliminary Finding.

SUMMARY: This notice announces the application of the Underwriters Laboratories Incorporated for renewal of its recognition as a Nationally Recognized Testing Laboratory (NRTL) under 29 CFR 1910.7, and presents the Agency's preliminary finding.

DATES: The last date for interested parties to submit comments is May 30, 1995.

ADDRESSES: Send comments to: NRTL Recognition Program, Office of Variance Determination, Occupational Safety and Health Administration, U.S. Department of Labor, 200 Constitution Avenue, N.W., Room N3653, Washington, D.C. 20210.

FOR FURTHER INFORMATION CONTACT: NRTL Recognition Program, Occupational Safety and Health Administration, U.S. Department of Labor, 200 Constitution Avenue, NW., Room N3653, Washington, D.C. 20210.

Notice of Application

SUPPLEMENTARY INFORMATION: Notice is hereby given that Underwriters Laboratories Incorporated (UL) has made application pursuant to section 6(b) of the Occupational Safety and Health Act of 1970, (84 Stat. 1593, 29 U.S.C. 655), Secretary of Labor's Order No. 1–90 (55 FR 9033), and 29 CFR 1910.7 for renewal of its recognition for the following facilities as a Nationally Recognized Testing Laboratory.

The addresses of the laboratories covered by this application are:

333 Pfingsten Road, Northbrook, Illinois 60062
1285 Walt Whitman Road, Melville, Long Island, New York 11747
1655 Scott Boulevard, Santa Clara, California 95050
12 Laboratory Drive, P.O. Box 13995, Research Triangle Park, North Carolina 27709
2600 N.W. Lake Road, Camas, Washington 98607
UL International Limited, Veristrong Industrial Centre, Block B, 14th Floor, 34 Au Pui Wan Street, Fo Tan Sha Tin, New Territories, Hong Kong
UL International Services, Ltd., 3rd Floor, No. 35, Chung Yang South Road, Section 2, Pei Tou 11237, Taipei, Taiwan

Background

When OSHA published its standard for NRTLs at 29 CFR 1910.7, it temporarily recognized Underwriters Laboratories Incorporated (UL) and Factory Mutual Research Corporation (FMRC). Both organizations had already been referenced by the Occupational Safety and Health Administration (OSHA) as acceptable organizations for testing or certifying certain workplace equipment and materials. Appendix A of section 1910.7 stated, in part, that Underwriters Laboratories Incorporated was recognized temporarily as a nationally recognized testing laboratory by the Assistant Secretary for a five-year period from June 13, 1988 through June 13, 1993. At the end of this five-year period UL was required to apply for renewal of that OSHA recognition utilizing certain specified procedures. UL has applied for renewal of its recognition as an NRTL within the specified time frame (application dated September 30, 1993) and retains temporary recognition pending OSHA's final decision in this renewal process.

Application

According to the applicant, Underwriters Laboratories Inc., is an independent, not-for-profit product safety certification organization, which was founded in 1894. UL has requested accreditation for its five major domestic certification locations, including its newest facility at Camas, Washington, and two overseas subsidiaries.

Regarding the merits of the application, the applicant contends that it meets the requirements of 29 CFR 1910.7 for renewal of its recognition to certify products in the areas of testing which it has specified.

Underwriters Laboratories Inc. states that its application demonstrates that for each specified item of equipment or material to be certified, it has the capability (including proper testing equipment and facilities, trained staff, written testing procedures, quality control and calibration programs) to perform testing and examination of equipment and materials for workplace safety purposes to determine conformance with appropriate product test standards.

It also claims that it supplies, to the extent needed for the particular equipment or materials listed, labeled or accepted, the following control or services: Implementation of control procedures for identifying UL Certified equipment or materials; inspection of the run of production of such items at factories; and conducting of field inspections.

UL states, further, that it is completely independent of employers subject to the tested equipment requirements and of any manufacturers or vendors of equipment or materials being tested for these purposes.

The applicant maintains that it has effective procedures for reports that are objective and without bias; and for handling complaints and disputes under a fair and reasonable system.

In summary, UL claims that it has the experience, expertise, personnel, organization, equipment, and facilities suitable for renewal of its accreditation as an OSHA Nationally Recognized Testing Laboratory.

UL's application (Exhibit 2A) consisted of the following segments which, it states, demonstrate the above claims:

Section 1—Introduction, purpose and format; Section 2—Scope and Application, standards sought for recognition; Section 3—Organizational Data, applicant's background, history, ownership, testing locations and external organizations used for technical support; Section 4—Affiliation, statement of independence; Section 5—Personnel, numbers and job descriptions of and training programs for technical staff, identification and qualifications of key personnel; Section 6—Services Provided, services provided certification marks, reports and records, follow-up inspection program and testing, and various programs involving client participation; Section 7—Testing Experience, testing experience, standards writing activity, and identification of various accreditations; Section 8—Control Programs, quality improvement system including Quality Control Manual, recording and control of data, supervision of samples, access security system, test procedures, lab personnel qualifications and test equipment records, standards, codes and regulations distribution, and uniform requirements interpretations; Section 9—Appeals Procedures/ Procedures and Reports, appeals system, and product field reports; Section 10—Test Equipment, appropriateness and calibration of test equipment; Section 11—Facilities, size and adequacy of each facility; and Section 12—Supplemental Information—representative NRTL program form.

Facilities

Underwriters Laboratories Inc. has five main test facilities located in the United States, and two subsidiary laboratories in Asia. They are located in Northbrook, IL; Melville, NY; Santa Clara, CA; Research Triangle Park, NC; Camas, WA; Taipei, Taiwan; and, Hong Kong.

The Northbrook, Illinois facility contains the corporate headquarters and is the center for developing and distributing documents for the organization. It consists of three separate testing complexes, the largest of which contains the headquarters offices and the majority of the testing laboratories. Contained within this complex are the Standards Division, Follow-Up Services Division, Legal, Engineering Services Division, Administrative Division, Accounting, and External Affairs Division. Roughly 36 percent of the approximately 1700 employees comprise the technical staff at Northbrook.

All hazardous location testing is conducted at Northbrook. This facility, as do each of the others, performs testing and follow-up services for certain of UL's client base. Normally, each facility's clients are located within their own geographical area.

Other specifics of the Northbrook facility are contained in the Northbrook Report, Exhibit 2B, under headings pertaining to facilities, test equipment, calibration program, test and evaluation procedures, test reports, records, quality assurance, follow-up listing program, personnel, recognized third party testing, manufacturing site data, outside rental equipment, and third party contract services. In most instances, the procedures at the other four U.S. locations track those found at Northbrook, as do many of the procedures at both the Taiwan and Hong Kong facilities.

The Melville, New York facility houses the East and West International Inspection Services department that manages the follow-up inspections for products manufactured overseas. Each US based UL facility has an International Inspection Coordinator who functions on behalf of both the East and West International Inspection Services (IIS).

The IIS is divided into two sections for administrative purposes—Eastern and Western. The Eastern section includes inspection centers in Asia, Australasia, Indian subcontinent and Canada. In addition, the Eastern Section coordinates the follow-up and engineering services for China. The Western section includes Mexico, Central and South America, the Caribbean, Africa, Europe, and the Near and Middle East.

UL maintains its own overseas inspection centers in many countries and also contracts out inspections to other inspection services. Many of these contracted inspection services have been in place for over 30 years. The services are performed by private inspection companies, by government inspection agencies, or by a quasi-governmental agency similar to our Postal Service.

The facilities located at Research Triangle Park, North Carolina, Santa Clara, California and Camas, Washington utilize procedures essentially similar to those as Northbrook and normally perform testing and follow-up services for clients located within their geographical areas.

The technical staff at Camas, Washington, the newest facility, is comprised of some 22 employees. The laboratory conducts electrical/electronic testing. The equipment not available is purchased or loaned to Camas from other UL offices if required for short-term periods.

The Hong Kong and Taiwan facilities conduct testing and perform evaluations for clients located in the Far East. However, a client may choose to have the testing and evaluation done at one of the U.S. facilities.

The Hong Kong facility provides testing support for the UL programs for clients in Hong Kong, China, and Australasia. This office has been open since 1988.

In the Hong Kong area the testing laboratory and inspection services are housed in the same building. UL staff of the Inspection and Administration Services monitors the China National Import & Export Commodities Inspection Corporation (CCIC) for inspections carried out in China, which are controlled out of the UL Melville office. The staff also performs the inspections in Hong Kong.

The UL laboratory in Taiwan has been in existence for over 20 years, and performs services for clients within its geographical area. The Follow-Up Services Office in Taiwan (the Administration and Inspection Services Office) has been in existence for about 10 years.

The latest test standards are supplied from the Northbrook Office for both locations.

Neither facility rents equipments or subcontracts testing. Products that cannot be tested because of the lack of equipment are generally sent to a UL laboratory facility in the United States.

Senior management personnel are rotated from stateside appointments to positions in both the Hong Kong and the Taiwan offices.

All official UL records are in English. Some files contain translations and notes that are in other languages. Agreements between clients and the laboratory are in English. The required files for the record system are the same as those required for products that are processed through one of the UL laboratories in the United States.

Specifics of the on-site investigations for all of the facilities may be found in the On-Site Review Reports (Surveys), Exhibits 2B and 2C. Interested persons are invited to review these reports.

UL also maintains offices in Atlanta, Baltimore, Boston, Dallas, Minneapolis, Portland, Norman (OK), and Seattle. Staff at these locations provide engineering services to clients in their geographical area, and report directly to one of the five domestic offices where their work is reviewed.

Internal Controls (Quality Assurance)

The UL Quality Assurance (QA) Program is documented in a number of manuals that address various functions. There is not a single overall document called a QA Manual which alone defines the corporate QA policy. The Engineering Department Manual (EDM) has many of the elements normally associated with a QA Manual and provides general corporate direction. Some of the elements that are addressed are: work definitions, costing guidelines, agreement forms, files, test waiving, follow-up services policy, client-agent relations, products in foreign countries, and confidentiality. This document is presently under revision. A program for continuous quality improvement is in place. The Q-Plus program utilizes an employee team concept for continuous quality improvement.

The Laboratory Operations Manual (LOM) outlines the laboratory quality program and establishes minimum guidelines for such functions as development of forms, data requirements, equipment maintenance and calibration, report reviewing, auditing, identification of applicable tests, and corrective action procedures. The LOM also establishes policies for test standards, test equipment, qualified personnel, laboratory procedures and documentation, and self-monitoring and self-improvement.

The Follow-Up Services (FUS) Manual provides guidance for field inspectors who monitor product manufacturing under the applicant's FUS Agreement. This Manual provides

the day-to-day operational guidance for inspection personnel. Other major departments utilize their own manuals for providing day-to-day direction.

For the purpose of consistent application of requirements in the standards, a program is in place which provides the controls and flexibility for developing and interpreting standards. Each location has a designated engineer who is responsible for the interpretations for a particular standard. One engineer is the primary designated engineer, and is responsible for the coordination of all other designated engineers as well as insuring the consistency of all interpretations.

Relative to the NRTL program, the Engineering Department and Laboratory Operations manuals are the main documents in the UL organization. The LOM is considered as corporate policy and its purpose is to provide a framework for procedures and controls to assure that the requisite degrees of accuracy are achieved.

Programs

UL operates a variety of services and organizational programs. Some of the programs have been in effect for decades, and have provided the test and evaluation data for products that have been approved and are still being supplied by manufacturers for introduction into the workplaces of the United States.

The following programs have been examined and found to be acceptable to OSHA on the basis of the procedures and specific criteria as detailed in 60 FR 12980, March 9, 1995, pertaining to the types of programs and procedures that NRTLs may engage in under the OSHA/NRTL program. See Exhibits 2C and 2C(1), concerning the survey and acceptance of the Camas, Washington facility, dated March 10, 1995, which also review and recommend inclusion of the following programs on the basis of their conformance to the programs described in 60 FR 12980, March 9, 1995, ''Nationally Recognized Testing Laboratories; Clarification of the Types of Programs and Procedures'' (Exhibit 8).

Basic Program

This program is one in which UL performs all of the necessary product testing and evaluation in-house prior to issuing a certification.

Witnessed Test Data Program

This program involves the use of UL Technical Personnel at a manufacturer's test site to witness testing for products that will be listed by UL. The manufacturer's facilities used for this purpose are qualified by the UL engineering department. The follow-up program is the normal one for that product and manufacturer (Ex. 2B, Santa Clara Report, Section 11).

Client Agent Program (CAP)

This program qualifies intermediaries that interface between UL and the client. This usually involves overseas clients utilizing US based agents. This program qualifies the intermediaries in administrative areas, technical areas, or in a combination of both. An intermediary that is qualified in the technical areas can perform testing on behalf of the client. The Client Agent Program does not prohibit an agent from providing technical advice on modifications to the product in order to meet the requirements of the standard. However, the CAP program is not intended to qualify agents in providing technical advice to clients. Administratively qualified intermediaries provide documentation, drawing, and translation support for the client.

China National Import and Export Commodities Inspection Corporation (CCIC) Inspection Program

The CCIC is a Chinese government organization that is retained by the UL Inspection Services to perform follow-up inspections in China. This inspection program is under the oversight control of UL personnel through the Hong Kong facility, and the International Inspection Services Department (Ex. 2b, Melville Report, Sections 8 & 13).

National Certification Body (NCB)

Underwriters Laboratories is one of five NRTLs that are participants in the International Electrotechnical Commission (IEC) Certification Body (CB) Scheme. This is an international program that allows laboratories accredited as Certified Bodies to exchange test reports with each other during the process of certifying products. The IEC has allowed NRTLs to participate in this Scheme because they have been accredited by OSHA. The IEC requires governmental oversight for participants.

Client Test Data Program (CTDP)

This program is the most extensively used and the basic program that involves client participation. This program involves the systematic qualification of the client by reviewing their laboratory, environmental controls, testing instrumentation, electrical power system, the client personnel involved in the program, the access to the latest UL standards, mutual testing, confidence building and the correlation of the testing packages with UL test results. Specific test information is required to be submitted and UL performs verification testing at intervals not known by the participant. There is no change in surveillance conducted by UL's follow-up services. There is an additional review conducted by UL engineering personnel that is conducted at least yearly to assess the participant's continued capability to be in the program. (See Ex. 2B, Research Triangle Park and Santa Clara Reports, Section 11).

Compliance Management and Product Assurance Program (COMPASS)

This program is a voluntary process that allows qualified manufacturers that have successfully utilized the CTDP Program to perform limited self evaluation and testing within specified categories.

For minor changes to already listed products, the client reviews the changes and performs any needed tests, and continues to use the listing mark. The client submits the documentation to UL for review. If the product does not comply, the manufacturer is required to remove the UL marks. This procedure for handling minor changes was designed to handle the real life situations, such as a purchasing department electing to purchase an alternate switch. Rather than wait for a variation notice to be issued by UL's follow-up services representative, this path serves to keep the client and UL in close contact between inspections. Minor changes are defined as modifications which involve the use of an alternate or optional component in a previously accepted product. An example is the substitution of a comparable switch from a different manufacturer, or the change of horsepower of a motor.

For major changes or new products the client must submit a sample and all documentation to UL for review. Depending upon the situation, UL may determine that the nature of the change and experience with the client and testing associated are such that additional verification testing is not necessary. In this situation, UL will authorize the use of the listing mark.

UL may determine that immediate verification testing is not needed. In this situation, the authorization to use the Listing mark is given but verification testing is conducted later. In all cases, verification testing is conducted for new products. In all situations where verification testing is needed, if

correlation does not exist, the listing marks must be removed.

The follow-up program and engineering department audits are the same as with CTDP, and an additional audit of the client's quality system is performed. Both CTDP and COMPASS involve UL making a determination of the compliance of the product with the standard at some point in the process. (See Ex. 2B, Research Triangle Park and Santa Clara Reports, Section 11).

Total Certification Program (TCP)

This program parallels the manufacturer and UL in a combined evaluation of products. This is in contrast to the sequential process that is used under the COMPASS program where the manufacturer tests and evaluates and then submits the information to UL.

The program involves the testing and evaluation of a product by the manufacturer, and also the manufacturer's determination of compliance with a standard. The manufacturer is subject to continuous involvement with UL throughout the design and production of the product. UL conducts regular audits throughout the process including verification testing. Similar to the COMPASS program, the manufacturer must qualify for this program by demonstrating the ability to test and evaluate a product and it must have a viable quality assurance program, in addition to having the personnel and equipment to provide creditable results. In all cases, it is UL who authorizes the use of the listing mark. The manufacturer is audited four times a year by the UL engineering staff, and twice a year the manufacturer's quality assurance program is reviewed. Follow-up inspectors continue to conduct follow-ups.

Audit Structure

Corporate level audits are performed yearly while site or operational audits are performed semi-annually. Many of the documented audit programs are relatively new and a long term historical record does not exist. UL has an audit schedule listing for 1993 and 1994 that has been followed, and addresses various operating units of the organization.

Standards

Underwriters Laboratories Inc. desires recognition for testing and certification of products when tested for compliance with the following test standards, which are appropriate within the meaning of 29 CFR 1910.7(c):

ANSI Z21.1b—Household Cooking Gas Appliances
ANSI Z21.5.1—Gas Clothes Dryers—Type 1
ANSI Z21.5.2—Gas Clothes Dryers—Type 2
ANSI Z21.10.1—Gas Water Heaters—Automatic Storage Type Water Heaters with Inputs of 70,000 Btu Per Hour or Less
ANSI Z21.10.2—Water Heaters—Sidearm Type Water Heaters
ANSI Z21.10.3—Water Heaters—Circulating Tank, Instantaneous and Large Automatic Storage Type Water Heaters
ANSI Z21.11.1—Gas-Fired Room Heaters—Vented Room Heaters
ANSI Z21.11.2—Gas-Fired Room Heaters—Univented Room Heaters
ANSI Z21.12—Listing Requirements for Draft Hoods
ANSI Z21.13—Gas-Fired Low-Pressure Steam and Hot Water Heating Boilers
ANSI Z21.14—Approval Requirements for Industrial Gas Boilers
ANSI Z21.15—Manually Operated Gas Valves
ANSI Z21.16—Gas Unit Heaters
ANSI Z21.17—Domestic Gas Conversion Burners
ANSI Z21.18—Gas Appliance Pressure Regulators
ANSI Z21.19—Refrigerators Using Gas Fuel
ANSI Z21.20—Automatic Gas Ignition Systems and Components
ANSI Z21.21—Automatic Valves for Gas Appliances
ANSI Z21.22—Relief Valves and Automatic Gas Shutoff Devices for Hot Water Supply System
ANSI Z21.23—Gas Appliance Thermostats
ANSI Z21.29—Listing Requirements for Furnace Temperature Limit Controls and Fan Controls
ANSI Z21.35—Gas Filters on Appliances
ANSI Z21.37—Approval Requirements for Dual Oven Type Combination Gas Ranges
ANSI Z21.40.1—Gas-Fired Absorption Summer Air Conditioning Appliances
ANSI Z21.41—Quick-Disconnect Devices for Use with Gas Fuel
ANSI Z21.42—Gas-Fired Illuminating Appliances
ANSI Z21.44—Gas-Fired Gravity and Fan Type Direct Vent Wall Furnaces
ANSI Z21.45—Flexible Connectors of Other Than All-Metal Construction for Gas Appliances
ANSI Z21.47—Gas-Fired Gravity and Forced Air Central Furnaces
ANSI Z21.48—Gas-Fired Gravity and Fan Type Floor Furnaces
ANSI Z21.49—Gas-Fired Gravity and Fan Type Vented Wall Furnaces
ANSI Z21.53—Gas-Fired Heavy Duty Forced Air Heaters
ANSI Z21.54—Gas Hose Connectors for Portable Outdoor Gas-Fired Appliances
ANSI Z21.55—Gas-Fired Sauna Heaters
ANSI Z21.56—Gas-Fired Pool Heaters
ANSI Z21.58—Outdoor Cooking Gas Appliances
ANSI Z21.61—Gas-Fired Toilets
ANSI Z21.64—Direct Vent Central Furnaces
ANSI Z21.66—Automatic Vent Damper Devices for Use With Gas-Fired Appliances
ANSI Z21.69—Connectors for Movable Gas Appliances
ANSI Z21.74—Portable Refrigerators for Use With HD–5 Propane Gas
ANSI Z21.76—Gas-Fired Unvented Catalytic Room Heaters for Use With Liquefied Petroleum (LP) Gases
ANSI Z83.3—Gas Utilization Equipment in Large Boilers
ANSI Z83.4—Direct Gas-Fired Make-Up Air Heaters
ANSI Z83.6—Gas-Fired Infrared Heaters
ANSI Z83.8—Gas Unit Heaters
ANSI Z83.9—Gas-Fired Duct Furnaces
ANSI Z83.10—Separated Combustion System Central Furnaces
ANSI Z83.11—Gas Food Service Equipment—Ranges and Unit Broilers
ANSI Z83.12—Gas Food Service Equipment—Baking and Roasting Ovens
ANSI Z83.13—Gas Food Service Equipment—Deep Fat Fryers
ANSI Z83.14—Gas Food Service Equipment—Counter Appliances
ANSI Z83.15—Gas Food Service Equipment—Kettles, Steam Cookers, and Steam Generators
ANSI Z83.16—Gas-Fired Unvented Commercial and Industrial Heaters
ANSI Z83.17—Direct Gas Fired Door Heaters
ANSI Z83.18—Direct Gas Fired Industrial Air Heaters
ANSI/UL 1—Flexible Metal Conduit
ANSI/UL 3—Flexible Nonmetallic Tubing for Electric Wiring
ANSI/UL 4—Armored Cable
ANSI/UL 5—Surface Metal Raceways and Fittings
UL 6—Rigid Metal Conduit
ANSI/UL 8—Foam Fire Extinguishers
ANSI/UL 9—Fire Tests of Window Assemblies
ANSI/UL 10A—Tin-Clad Fire Doors
ANSI/UL 10B—Fire Tests of Door Assemblies
UL 13—Power-Limited Circuit Cables
ANSI/UL 14B—Sliding Hardware for Standard, Horizontally Mounted Tin-Clad Fire Doors

ANSI/UL 14C—Swinging Hardware for Standard Tin-Clad Fire Doors Mounted Singly or In Pairs
ANSI/UL 17—Vent or Chimney Connector Dampers for Oil-Fired Appliances
ANSI/UL 20—General-Use Snap Switches
ANSI/UL 21—LP-Gas Hose
ANSI/UL 22—Amusement and Gaming Machines
ANSI/UL 25—Meters for Flammable and Combustible Liquids and LP-Gas
ANSI/UL 30—Metal Safety Cans
ANSI/UL 33—Heat Responsive Links for Fire-Protection Service
UL 38—Manually Actuated Signalling Boxes for Use With Fire Protective Signalling Systems
ANSI/UL 44—Rubber-Insulated Wires and Cables
ANSI/UL 45—Portable Electric Tools
ANSI/UL 48—Electric Signs
ANSI/UL 50—Enclosures for Electrical Equipment
ANSI/UL 51—Power-Operated Pumps for Anhydrous Ammonia and LP-Gas
ANSI/UL 58—Steel Underground Tanks for Flammable and Combustible Liquids
ANSI/UL 62—Flexible Cord and Fixture Wire
ANSI/UL 65—Electric Wired Cabinets
ANSI/UL 67—Electric Panelboards
ANSI/UL 69—Electric Fence Controllers
ANSI/UL 73—Electric-Motor-Operated Appliances
ANSI/UL 79—Power-Operated Pumps for Petroleum Product Dispensing Systems
ANSI/UL 80—Steel Inside Tanks for Oil Burner Fuel
ANSI/UL 82—Electric Gardening Appliances
ANSI/UL 83—Thermoplastic-Insulated Wires and Cables
ANSI/UL 87—Power-Operated Dispensing Devices for Petroleum Products
ANSI/UL 92—Fire Extinguisher and Booster Hose
ANSI/UL 94—Tests for Flammability of Plastic Materials for Parts in Devices and Appliances
ANSI/UL 96—Lightning Protection Components
UL 98—Enclosed and Dead-Front Switches
UL 104—Elevator Door Locking Devices and Contacts
UL 109—Tube Fittings for Flammable and Combustible Fluids, Refrigeration Service, and Marine Use
ANSI/UL 122—Photographic Equipment
ANSI/UL 123—Oxy-Fuel Gas Torches
UL 125—Valves for Anhydrous Ammonia and LP-Gas (Other Than Safety Relief)
ANSI/UL 130—Electric Heating Pads
UL 132—Safety Relief Valves for Anhydrous Ammonia and LP-Gas
UL 141—Garment Finishing Appliances
ANSI/UL 142—Steel Aboveground Tanks for Flammable and Combustible Liquids
ANSI/UL 144—Pressure Regulating Valves for LP-Gas
ANSI/UL 147—LP- and MPS-Gas Torches
UL 147A—Nonrefillable (Disposable) Type Fuel Gas Cylinder Assemblies
UL 147B—Nonrefillable (Disposable) Type Metal Container Assemblies for Butane
ANSI/UL 150—Antenna Rotators
ANSI/UL 153—Portable Electric Lamps
ANSI/UL 154—Carbon Dioxide Fire Extinguishers
UL 155—Tests for Fire Resistance of Vault and File Room Doors
UL 162—Foam Equipment and Liquid Concentrates
ANSI/UL 174—Household Electric Storage-Tank Water Heaters
ANSI/UL 180—Liquid-Level Indicating Gauges and Tank-Filling Signals for Petroleum Products
UL 181—Factory-Made Air Ducts and Air Connectors
ANSI/UL 183—Manufactures Wiring Systems
ANSI/UL 187—X-Ray Equipment
ANSI/UL 193—Alarm Valves for Fire-Protection Service
UL 194—Gasketed Joints for Ductile-Iron Pipe and Fittings for Fire Protection Service
ANSI/UL 197—Commercial Electric Cooking Appliances
ANSI/UL 198B—Class H Fuses
ANSI/UL 198C—High-Interrupting-Capacity Fuses, Current Limiting Type
ANSI/UL 198D—High-Interrupting-Capacity Class K Fuses
ANSI/UL 198E—Class R Fuses
ANSI/UL 198F—Plug Fuses
ANSI/UL 198G—Fuse for Supplementary Overcurrent Protection
ANSI/UL 198H—Class T Fuses
ANSI/UL 198L—DC Fuses for Industrial Use
ANSI/UL 199—Automatic Sprinklers for Fire-Protection Service
ANSI/UL 203—Pipe Hanger Equipment for Fire-Protection Service
ANSI/UL 207—Nonelectrical Refrigerant Containing Components and Accessories
ANSI/UL 209—Cellular Metal Floor Electrical Raceways and Fittings
UL 213—Rubber Gasketed Fittings for Fire-Protection Service
ANSI/UL 217—Single and Multiple Station Smoke Detectors
ANSI/UL 224—Extruded Insulating Tubing
UL 228—Door Closers-Holders, and Integral Smoke Detectors
ANSI/UL 244A—Solid-State Controls for Appliances
ANSI/UL 250—Household Refrigerators and Freezers
ANSI/UL 252—Compressed Gas Regulators
UL 260—Dry Pipe and Deluge Valves for Fire-Protection Service
UL 262—Gate Valves for Fire-Protection Service
ANSI/UL 268—Smoke Detectors for Fire Protective Signalling Systems
ANSI/UL 268A—Smoke Detectors for Duct Application
ANSI/UL 291—Automated Teller Systems
ANSI/UL 294—Access Control System Units
ANSI/UL 296—Oil Burners
UL 296A—Waste Oil-Burning Air-Heating Appliances
UL 297—Portable Medium-Pressure Acetylene Generators
ANSI/UL 298—Portable Electric Hand Lamps
ANSI/UL 299—Dry Chemical Fire Extinguishers
ANSI/UL 303—Refrigeration and Air-Conditioning Condensing and Compressor Units
UL 305—Panic Hardware
ANSI/UL 310—Electrical Quick-Connect Terminals
ANSI/UL 312—Check Valves for Fire-Protection Service
ANSI/UL 325—Door, Drapery, Gate, Louver, and Window Operators and Systems
UL 330—Gasoline Hose
ANSI/UL 331—Strainers for Flammable Fluids and Anhydrous Ammonia
ANSI/UL 343—Pumps of Oil-Burning Appliances
ANSI/UL 346—Waterflow Indicators for Fire Protective Signaling Systems
ANSI/UL 347—High-Voltage Industrial Control Equipment
ANSI/UL 351—Electrical Rosettes
ANSI/UL 353—Limit Controls
ANSI/UL 355—Electric Cord Reels
ANSI/UL 360—Liquid Tight Flexible Steel Conduit
ANSI/UL 363—Knife Switches
ANSI/UL 365—Police Station Connected Burglar Alarm Units and Systems
ANSI/UL 372—Primary Safety Controls for Gas- and Oil-Fired Appliances
UL 378—Draft Equipment
ANSI/UL 385—Play Pipes for Water Supply Testing in Fire Protection Service
ANSI/UL 393—Indicating Pressure Gauges for Fire Protection Service
ANSI/UL 399—Drinking-Water Coolers
UL 404—Gauges, Indicating Pressure, for Compressed Gas Service

UL 407—Manifolds for Compressed Gases
UL 408—Stationary Medium Pressure Acetylene Generators
UL 409—Stationary Low-Pressure Acetylene Generators
ANSI/UL 412—Refrigeration Unit Coolers
ANSI/UL 414—Electrical Meter Sockets
UL 416—Refrigerated Medical Equipment
ANSI/UL 427—Refrigerating Units
ANSI/UL 429—Electrically Operated Valves
ANSI/UL 430—Electric Waste Disposers
ANSI/UL 443—Steel Auxiliary Tanks for Oil-Burner Fuel
UL 444—Communications Cables
ANSI/UL 448—Pumps for FIre Protection Service
ANSI/UL 452—Antenna Discharge Units
ANSI/UL 464—Audible Signal Appliances
ANSI/UL 465—Central Cooling Air Conditioners
ANSI/UL 466—Electric Scales
ANSI/UL 467—Electrical Grounding and Bonding Equipment
ANSI/UL 469—Musical Instruments and Accessories
ANSI/UL 471—Commercial Refrigerators and Freezers
ANSI/UL 474—Dehumidifiers
ANSI/UL 482—Portable Sun/Heat Lamps
ANSI/UL 484—Room Air Conditioners
ANSI/UL 486A—Wire Connectors and Soldering Lugs for Use With Copper Conductors
ANSI/UL 486B—Wire Connectors for Use With Aluminum Conductors
ANSI/UL 486C—Splicing Wire Connectors
ANSI/UL 486D—Insulated Wire Connectors for Use With Underground Conductors
ANSI/UL 486E—Equipment Wiring Terminals for Use With Aluminum and/or Copper Conductors
ANSI/UL 489—Molded-Case Circuit Breakers and Circuit-Breaker Enclosures
ANSI/UL 493—Thermoplastic-Insulated Underground Feeder and Branch-Circuit Cables
ANSI/UL 495—Power-Operated Dispensing Devices for LP–Gas
ANSI/UL 496—Edison-Base Lampholders
ANSI/UL 497—Protectors for Communication Circuits
UL 497A—Secondary Protectors for Communication Circuits
ANSI/UL 497B—Protectors for Data Communication and Fire Alarm Circuits
ANSI/UL 498—Attachment Plugs and Receptacles
ANSI/UL 499—Electric Heating Appliances
ANSI/UL 506—Specialty Transformers
ANSI/UL 507—Electric Fans
ANSI/UL 508—Electric Industrial Control Equipment
ANSI/UL 510—Insulating Tape
ANSI/UL 511—Porcelain Electrical Cleats, Knobs, and Tubes
ANSI/UL 512—Fuseholders
ANSI/UL 514A—Metallic Outlet Boxes, Electrical
ANSI/UL 514B—Fittings for Conduit and Outlet Boxes
ANSI/UL 514C—Nonmetallic Outlet Boxes, Flush-Device Boxes and Covers
ANSI/UL 519—Impedance-Protected Motors
ANSI/UL 521—Heat Detectors for Fire Protective Signaling Systems
ANSI/UL 525—Flame Arresters for Use on Vents of Storage Tanks for Petroleum Oil and Gasoline
ANSI/UL 539—Single and Multiple Station Heat Detectors
ANSI/UL 541—Refrigerated Vending Machines
ANSI/UL 542—Lampholders, Starters, and Starter Holders for Fluorescent Lamps
ANSI/UL 543—Impregnated-Fiber Electrical Conduit
UL 544—Electric Medical and Dental Equipment
ANSI/UL 547—Thermal Protectors for Electric Motors
ANSI/UL 551—Transformer-Type Arc-Welding Machines
ANSI/UL 555—Fire Dampers
UL 555S—Leakage Rated Dampers for Use in Smoke Control Systems
ANSI/UL 558—Industrial Trucks, Internal Combustion Engine-Powered
ANSI/UL 559—Heat Pumps
ANSI/UL 560—Electric Home-Laundry Equipment
ANSI/UL 561—Floor Finishing Machines
ANSI/UL 563—Ice Makers
UL 565—Liquid Level Gauges and Indicators for Anhydrous Ammonia and LP-Gas
ANSI/UL 567—Pipe Connectors for Flammable and Combustible Liquids and LP-Gas
ANSI/UL 569—Pigtails and Flexible Hoses
ANSI/UL 574—Electric Oil Heater
ANSI/UL 603—Power Supplies for Use With Burglar-Alarm Systems
ANSI/UL 609—Local Burglar-Alarm Units and Systems
ANSI/UL 611—Central-Station Burglar-Alarm Systems
ANSI/UL 621—Ice Cream Makers
ANSI/UL 626—2½ Gallon Stored Pressure Water Type Fire Extinguishers
ANSI/UL 632—Electrically Actuated Transmitters
ANSI/UL 634—Connectors and Switches for Use With Burglar-Alarm Systems
ANSI/UL 636—Holdup Alarm Units and Systems
ANSI/UL 639—Intrusion-Detection Units
ANSI/UL 644-Container Assemblies for LP-Gas
ANSI/UL 651—Schedule 40 and 80 Rigid PVC Conduit
ANSI/UL 651A—Type EB and A Rigid PVC Conduit and HDPE Conduit
UL 664—Commercial (Class IV) Electric Dry-Cleaning Machines
ANSI/UL 674—Electric Motors and Generators for Use in Hazardous (Classified) Locations
ANSI/UL 676—Underwater Lighting Fixtures
ANSI/UL 680—Emergency Vault Ventilators and Vault Ventilating Parts
ANSI/UL 681—Installation and Classification of Mercantile and Bank Burglar-Alarm Systems
ANSI/UL 696—Electric Toys
ANSI/UL 697—Toy Transformers
ANSI/UL 698—Idustrial Control Equipment for Use in Hazardous (Classified) Locations
ANSI/UL 705—Power Ventilators
UL 710—Grease Extractors for Exhaust Ducts
ANSI/UL 711—Rating and Fire Testing of Fire Extinguishers
ANSI/UL 719—Nonmetallic Sheathed Cables
ANSI/UL 726—Oil-Fired Boiler Assemblies
ANSI/UL 727—Oil-Fired Central Furnaces
ANSI/UL 729—Oil-Fired Floor Furnaces
ANSI/UL 730—Oil-Fired Wall Furnaces
ANSI/UL 731—Oil-Fired Unit Heaters
ANSI/UL 732—Oil-Fired Water Heaters
UL 733—Oil-Fired Air Heaters and Direct-Fired Heaters
ANSI/UL 746A—Polymeric Materials—Short Term Property Evaluations
ANSI/UL 746B—Polymeric Materials—Long Term Property Evaluations
ANSI/UL 746C—Polymeric Materials—Use in Electrical Equipment Evaluations
ANSI/UL 746E—Polymeric Materials—Industrial Laminates, Filament Wound Tubing, Vulcanized Fibre, and Materials Used in Printed Wiring Boards
ANSI/UL 749—Household Dishwashers
ANSI/UL 751—Vending Machines
ANSI/UL 753—Alarm Accessories for Automatic Water-Supply Control Valves for Fire-Protection Service
ANSI/UL 756—Coin and Currency Changers and Actuators

UL 763—Motor-Operated Commercial Food Preparing Machines
ANSI/UL 773—Plug-In Locking Type Photocontrols for Use With Area Lighting
ANSI/UL 773A—Nonindustrial Photoelectric Switches for Lighting Control
UL 775—Graphic Arts Equipment
ANSI/UL 778—Motor-Operated Water Pumps
ANSI/UL 781—Portable Electric Lighting Units for Use in Hazardous (Classified) Locations
ANSI/UL 783—Electric Flashlights and Lanterns for Use in Hazardous Locations, Class I, Group C and D
UL 795—Commercial-Industrial Gas-Heating Equipment
ANSI/UL 796—Printed-Wiring Boards
ANSI/UL 797—Electrical Metallic Tubing
UL 810—Capacitors
ANSI/UL 813—Commercial Audio Equipment
ANSI/UL 814—Gas-Tube-Sign and Ignition Cable
ANSI/UL 817—Cord Sets and Power-Supply Cords
ANSI/UL 823—Electric Heaters for Use in Hazardous (Classified) Locations
ANSI/UL 826—Household Electric Clocks
ANSI/UL 827—Central Stations for Watchman, Fire-Alarm, and Supervisory Services
ANSI/UL 834—Heating, Water Supply, and Power Boilers—Electric
UL 842—Valves for Flammable Fluids
ANSI/UL 844—Electric Lighting Fixtures for Use in Hazardous (Classified) Locations
ANSI/UL 845—Electric Motor Control Centers
ANSI/UL 854—Service Entrance Cable
ANSI/UL 857—Electric Busways and Associated Fittings
ANSI/UL 858—Household Electric Ranges
UL 858A—Safety-Related Solid-State Controls for Electric Ranges
ANSI/UL 859—Personal Grooming Appliance
UL 860—Pipe Unions for Flammable and Combustible Fluids and Fire Protection Service
ANSI/UL 863—Electric Time-Indicating and -Recording Appliances
ANSI/UL 864—Control Units for Fire-Protective Signaling Systems
ANSI/UL 867—Electrostatic Air Cleaners
ANSI/UL 869—Electrical Service Equipment
ANSI/UL 869A—Reference Standard for Service Equipment
ANSI/UL 870—Wireways, Auxiliary Gutters, and Associated Fittings
ANSI/UL 873—Electrical Temperature-Indicating and -Regulating Equipment
ANSI/UL 875—Electric Dry Bath Heaters
ANSI/UL 877—Circuit Breakers and Circuit-Breaker Enclosure for Use in Hazardous (Classified) Locations
ANSI/UL 879—Electrode Receptacles for Gas-Tube Signs
ANSI/UL 883—Fan-Coil Units and Room-Fan Heater Units
ANSI/UL 884—Underfloor Electrical Raceways and Fittings
ANSI/UL 886—Electrical Outlet Boxes and Fittings for Use in Hazardous (Classified) Locations
ANSI/UL 887—Delayed-Action Timelocks
ANSI/UL 891—Dead-Front Electrical Switchboards
ANSI/UL 894—Switches for Use in Hazardous (Classified) Locations
ANSI/UL 900—Test Performance of Air-Filter Units
ANSI/UL 910—Test Method for Fire and Smoke Characteristics of Electrical and Optical-Fiber Cables
ANSI/UL 913—Intrinsically Safe Apparatus and Associated Apparatus for Use in Class I, II, and III, Division I, Hazardous (Classified) Locations
ANSI/UL 916—Energy Management Equipment
ANSI/UL 917—Clock-Operated Switches
ANSI/UL 921—Commercial Electric Dishwashers
ANSI/UL 923—Microwave Cooking Appliances
ANSI/UL 924—Emergency Lighting and Power Equipment
ANSI/UL 935—Fluorescent-Lamp Ballasts
ANSI/UL 943—Ground-Fault Circuit Interrupters
ANSI/UL 961—Hobby and Sports Equipment
ANSI/UL 964—Electrically Heating Bedding
ANSI/UL 969—Marking and Labeling Systems
ANSI/UL 977—Fused Power-Circuit Devices
ANSI/UL 982—Motor-Operated Food Preparing Machines
ANSI/UL 983—Surveillance Cameras
ANSI/UL 984—Hermetric Refrigerant Motor-Compressors
ANSI/UL 987—Statutory and Fixed Electric Tools
UL 991—Tests for Safety-Related Controls Employing Solid-State Devices
ANSI/UL 998—Humidifiers
ANSI/UL 1002—Electrically Operated Valve for Use in Hazardous (Classified) Locations
ANSI/UL 1004—Electric Motors
ANSI/UL 1005—Electric Flatirons
ANSI/UL 1008—Automatic Transfer Switches
ANSI/UL 1010—Receptable-Plug Combinations for Use in Hazardous (Classified) Locations
ANSI/UL 1012—Power Supplies
ANSI/UL 1017—Electric Vacuum Cleaning Machines and Blower Cleaners
ANSI/UL 1018—Electric Aquarium Equipment
ANSI/UL 1020—Therman Cutoffs for Use in Electrical Appliances and Components
UL 1022—Line Isolated Monitors
ANSI/UL 1025—Electric Air Heaters
ANSI/UL 1026—Electric Household Cooking and Food-Serving Appliances
ANSI/UL 1028—Electric Hair-Clipping and -Shaving Appliances
ANSI/UL 1029—High-Intensity Discharge Lamp Ballasts
ANSI/UL 1030—Sheathed Heater Elements
ANSI/UL 1034—Burglary Resistant Electric Locking Mechanisms
ANSI/UL 1037—Antitheft Alarms and Devices
ANSI/UL 1042—Electric Baseboard Heating Equipment
UL 1047—Isolated Power Systems Equipment
ANSI/UL 1053—Ground-Fault Sensing and Relaying Equipment
ANSI/UL 1054—Special-Use Switches
ANSI/UL 1058—Halogenated Agent Extinguishing System Units
UL 1059—Terminal Blocks
ANSI/UL 1062—Unit Substations
ANSI/UL 1063—Machine-Tool Wires and Cables
UL 1066—Low-Voltage AC and DC Power Circuit Breakers Used in Enclosures
ANSI/UL 1069—Hospital Signaling and Nurse Call Equipment
ANSI/UL 1072—Medium Voltage Power Cables
ANSI/UL 1076—Proprietary Burglar-Alarm Units and Systems
ANSI/UL 1077—Supplementary Protectors for Use in Electrical Equipment
ANSI/UL 1081—Electric Swimming Pool Pumps, Filters and Chlorinators
ANSI/UL 1082—Household Electric Coffee Makers and Brewing-Type Appliances
ANSI/UL 1083—Household Electric Skillets and Frying-Type Appliances
ANSI/UL 1086—Household Trash Compactors
ANSI/UL 1087—Molded-Case Switches
ANSI/UL 1088—Temporary Lighting Strings
ANSI/UL 1090—Electric Snow Movers
ANSI/UL 1091—Butterfly Valves for Fire Protection Service

ANSI/UL 1093—Halogenated Agent Fire Extinguishers
ANSI/UL 1096—Electric Central Air-Heating Equipment
ANSI/UL 1097—Double Insulation Systems for Use in Electrical Equipment
ANSI/UL 1203—Explosion-Proof and Dust-Ignition-Proof Electrical Equipment for Use in Hazardous (Classified) Locations
UL 1206—Electric Commercial Clothes-Washing Equipment
ANSI/UL 1207—Sewage Pumps for Use in Hazardous (Classified) Locations
ANSI/UL 1230—Amateur Movie Lights
UL 1236—Electric Battery Chargers
ANSI/UL 1238—Control Equipment for Use With Flammable Liquid Dispensing Devices
UL 1240—Electric Commercial Clothes-Drying Equipment
ANSI/UL 1241—Junction Boxes for Swimming Pool Lighting Fixtures
ANSI/UL 1242—Intermediate Metal Conduit
UL 1244—Electrical and Electronic Measuring and Testing Equipment
UL 1254—Pre-Engineered Dry Chemical Extinguishing System Units
ANSI/UL 1261—Electric Water Heaters for Pools and Tubs
ANSI/UL 1262—Laboratory Equipment
UL 1270—Radio Receivers, Audio Systems, and Accessories
ANSI/UL 1277—Electrical Power and Control Tray Cables With Optional Optical-Fiber Members
UL 1278—Movable and Wall- or Ceiling-Hung Electric Room Heaters
ANSI/UL 1283—Electromagnetic-Interference Filter
ANSI/UL 1286—Office Furnishings
ANSI/UL 1310—Direct Plug-In Transformer Units
ANSI/UL 1313—Nonmetallic Safety Cans for Petroleum Products
ANSI/UL 1314—Special-Purpose Containers
ANSI/UL 1316—Glass-Fiber-Reinforced Plastic Underground Storage Tanks for Petroleum Products
ANSI/UL 1322—Fabricated Scaffold Planks and Stages
UL 1323—Scaffold Hoists
ANSI/UL 1332—Organic Coatings for Steel Enclosures for Outdoor Use Electrical Equipment
ANSI/UL 1409—Low-Voltage Video Products Without Cathode-Ray-Tube Displays
ANSI/UL 1410—Television Receivers and High-Voltage Video Products
ANSI/UL 1411—Transformers and Motor Transformers for Use in Audio-, Radio-, and Television-Type Appliances
ANSI/UL 1412—Fusing Resistors and Temperature-Limited Resistors for Radio-, and Television-Type Appliances
ANSI/UL 1413—High-Voltage Components for Television-Type Appliances
ANSI/UL 1414—Across-the-Line, Antenna-Coupling, and Line-by-Pass Capacitors for Radio- and Television-Type Appliances
ANSI/UL 1416—Overcurrent and Overtemperature Protectors for Radio- and Television-Type Appliances
ANSI/UL 1417—Special Fuses for Radio- and Television-Type Appliances
ANSI/UL 1418—Implosion-Protected Cathode-Ray Tubes for Television-Type Appliances
UL 1424—Cables for Power-Limited Fire-Protective-Signaling Circuits
ANSI/UL 1429—Pullout Switches
ANSI/UL 1433—Control Centers for Changing Message Type Electric Signs
ANSI/UL 1436—Outlet Circuit Testers and Similar Indicating Devices
UL 1437—Electrical Analog Instruments, Panelboard Types
ANSI/UL 1438—Household Electric Drip-Type Coffee Makers
ANSI/UL 1441—Coated Electrical Sleeving
ANSI/UL 1445—Electric Water Bed Heaters
ANSI/UL 1446—Systems of Insulating Materials—General
ANSI/UL 1447—Electric Lawn Mowers
ANSI/UL 1448—Electric Hedge Trimmers
UL 1449—Transient Voltage Surge Suppressors
ANSI/UL 1450—Motor-Operated Air Compressors, Vacuum Pumps and Painting Equipment
ANSI/UL 1453—Electric Booster and Commercial Storage Tank Water Heaters
UL 1459—Telephone Equipment
ANSI/UL 1474—Adjustable Drop Nipples for Sprinkler Systems
ANSI/UL 1480—Speakers for Fire Protective Signaling Systems
ANSI/UL 1481—Power Supplies for Fire Protective Signaling Systems
ANSI/UL 1484—Residential Gas Detectors
UL 1486—Quick Opening Devices for Dry Pipe Valves for Fire-Protection Service
UL 1492—Audio and Video Equipment
ANSI/UL 1555—Electric Coin-Operated Clothes-Washing Equipment
ANSI/UL 1556—Electric Coin-Operated Clothes-Drying Equipment
ANSI/UL 1557—Electrically Isolated Semiconductor Devices
UL 1558—Metal-Enclosed Low-Voltage Power Circuit Breaker Switchgear
ANSI/UL 1559—Insect-Control Equipment, Electrocution Type
ANSI/UL 1561—Large General Purpose Transformers
UL 1562—Transformers, Distribution, Dry Type—Over 600 Volts
ANSI/UL 1563—Electric Hot Tubes, Spas, and Associated Equipment
ANSI/UL 1564—Industrial Battery Chargers
ANSI/UL 1565—Wire Positioning Devices
UL 1567—Receptacles and Switches Intended for Use With Aluminum Wire
ANSI/UL 1569—Metal-Clad Cables
ANSI/UL 1570—Fluorescent Lighting Fixtures
ANSI/UL 1571—Incandescent Lighting Fixtures
ANSI/UL 1572—High Intensity Discharge Lighting Fixtures
ANSI/UL 1573—Stage and Studio Lighting Units
ANSI/UL 1574—Track Lighting Systems
ANSI/UL 1577—Optical Isolators
ANSI/UL 1585—Class 2 and Class 3 Transformers
UL 1594—Sewing and Cutting Machines
UL 1604—Electrical Equipment for Use in Class I, and II, Division 2 and Class III Hazardous (Classified) Locations
ANSI/UL 1610—Central-Station Burglar-Alarm Units
ANSI/UL 1624—Light Industrial and Fixed Electric Tools
ANSI/UL 1635—Digital Burglar Alarm Communicator System Units
ANSI/UL 1638—Visual Signaling Applicances
ANSI/UL 1647—Motor-Operated Massage and Exercise Machines
UL 1660—Liquid-Tight Flexible Nonmetallic Conduit
ANSI/UL 1662—Electric Chain Saws
ANSI/UL 1664—Immersion-Detection Circuit-Interrupters
ANSI/UL 1666—Standard Test for Flame Propagation Height of Electrical and Optical-Fiber Cables Installed Vertically in Shafts
UL 1673—Electric Space Heating Cables
UL 1676—Discharge Path Resistors
ANSI/UL 1703—Flat Plate Photo Voltaic Modules and Panels
ANSI/UL 1711—Amplifiers for Fire Protective Signaling Systems
ANSI/UL 1726—Automatic Drain Valves for Standpipe Systems
ANSI/UL 1727—Commercial Electric Personal Grooming Appliances
UL 1738—Venting Systems for Gas-Burning Appliances, Categories II, III, and IV
ANSI/UL 1739—Pilot-Operated Pressure-Control Valves for Fire-Protection Service
UL 1767—Early-Suppression Fast-Response Sprinklers

ANSI/UL 1769—Cylinder Valves
ANSI/UL 1773—Termination Boxes
UL 1776—High-Pressure Cleaning Machines
UL 1778—Uninterruptible Power Supply Equipment
ANSI/UL 1786—Nightlights
UL 1795—Hydromassage Bathtubs
UL 1812—Ducted Heat Recovery Ventilators
UL 1815—Nonducted Heat Recovery Ventilators
UL 1863—Communication Circuit Accessories
ANSI/UL 1876—Isolating Signal and Feedback Transformers for Use in Electronic Equipment
UL 1917—Solid-State Fan Speed Controls
UL 1950—Information Technology Equipment Including Electrical Business Equipment
UL 1995—Heating and Cooling Equipment
UL 2006—Halon 1211 Recovery/Recharge Equipment
UL 2097—Reference Standard for Double Insulation Systems for Use in Electronic Equipment

Preliminary Finding

Underwriters Laboratories Incorporated addressed all of the criteria which had to be met for recognition as an NRTL in its initial application and in its further correspondence. For example, the applicant submitted a list of its test equipment and instrumentation; a roster of its personnel including resumes of those in key positions and copies of position descriptions; a summary of its listing, labeling, and follow-up services, including examples; a statement of its independence as a testing laboratory; and a discussion of its control programs, including the Q-Plus Program and a copy of its Laboratory Operations Manual; and descriptions of its calibration system, appeals procedure, recordkeeping and operational procedures.

Nine major areas were examined in depth in carrying out the laboratory surveys: facility; test equipment; calibration program; test and evaluation procedures; test reports; records; quality assurance program; follow-up listing program; and personnel.

The discrepancies noted by the survey teams in the on-site evaluations [Ex. 2B(1)] were adequately resonded to by the applicant prior to the preparation of the survey report and are included as a integral part of the report.

With the preparation of the final survey reports of Underwriters Laboratories Incorporated, the survey team was satisfied that the testing facilities appeared to meet the necessary criteria required by the standard, and so noted in the On-Site Review Report (Survey); see Ex. 2B.

Following a review of the application file, and the on-site survey reports of the Northbrook, Illinois; Melville, New York; Research Triangle Park, North Carolina; Santa Clara, California; Camas, Washington; and the subsidiary Taipei, Taiwan, and Hong Kong facilities, the NRTL Recognition Program staff concluded that the applicant appeared to have met the requirements for renewal of its recognition as a Nationally Recognized Testing Laboratory for the above noted facilities and, therefore, recommended to the Assistant Secretary that the application be preliminarily approved.

Based upon a review of the completed application file and the recommendations of the staff, the Assistant Secretary has made a preliminary finding that the Underwriters Laboratories Incorporated facilities for which accreditation was requested can meet the requirements for recognition (Camas, WA), or renewal of recognition (all others noted above), as required by 29 CFR 1910.7.

All interested members of the public are invited to supply detailed reasons and evidence supporting or challenging the sufficiency of the applicant's having met the requirements for renewal of its recognition as a Nationally Recognized Testing Laboratory, as well as Appendix A, of 29 CFR 1910.7. Submission of pertinent written documents and exhibits shall be made no later than May 30, 1995, and must be addressed to the NRTL Recognition Program, Office of Variance Determination, Room N 3653, Occupational Safety and Health Administration, U.S. Department of Labor, 200 Constitution Avenue, NW., Washington, DC 20210. Copies of the UL application, the laboratory survey reports, and all submitted comments, as received, (Docket No. NRTL–4–93 , are available for inspection and duplication at the Docket Office, Room N 2634, Occupational Safety and Health Administration, U.S. Department of Labor, at the above address.

The Assistant Secretary's final decision on whether the applicant (Underwriters Laboratories Incorporated) satisfies the requirements for renewal of its recognition as an NRTL will be made on the basis of the entire record including the public submissions an any further proceedings that the Assistant Secretary may consider appropriate in accordance with Appendix A of Section 1910.7.

Signed at Washington, DC this 22nd day of March 1995.

Joseph A. Dear,

Assistant Secretary.

[FR Doc. 95–7676 Filed 3–28–95; 8:45 am]

BILLING CODE 4510–26–M

NATIONAL FOUNDATION ON THE ARTS AND THE HUMANITIES

Meetings of Humanities Panel

AGENCY: National Endowment for the Humanities.

ACTION: Notice of meetings.

SUMMARY: Pursuant to the provisions of the Federal Advisory Committee Act (Public Law 92–463, as amended), notice is hereby given that the following meetings of the Humanities Panel will be held at the Old Post Office, 1100 Pennsylvania Avenue, NW., Washington, DC 20506.

FOR FURTHER INFORMATION CONTACT: David C. Fisher, Advisory Committee Management Officer, National Endowment for the Humanities, Washington, DC 20506; telephone (202) 606–8322. Hearing-impaired individuals are advised that information on this matter may be obtained by contacting the Endowment's TDD terminal on (202) 606–8282.

SUPPLEMENTARY INFORMATION: The proposed meetings are for the purpose of panel review, discussion, evaluation and recommendation on applications for financial assistance under the National Foundation on the Arts and the Humanities Act of 1965, as amended, including discussion of information given in confidence to the agency by the grant applicants. Because the proposed meetings will consider information that is likely to disclose: (1) trade secrets and commercial or financial information obtained from a person and privileged or confidential; or (2) information of a personal nature the disclosure of which would constitute a clearly unwarranted invasion of personal privacy, pursuant to authority granted me by the Chairman's Delegation of Authority to Close Advisory Committee meetings, dated July 19, 1993, I have determined that these meetings will be closed to the public pursuant to subsections (c)(4), and (6) of section 552b of Title 5, United States Code.

1. Date: April 20–21, 1995.
Time: 8:30 a.m. to 5 p.m.
Room: 415.
Program: This meeting will review applications submitted for Humanities Projects in Media program for the March 10, 1995 deadline, submitted to the